

**Fixed-Incident-Energy
Triple-Axis
Spectrometer •
HB - 1A**

Low-energy excitations,
magnetism, structural
transitions

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**Polarized Triple Axis
Spectrometer •
HB - 1**

Polarized neutron studies of
magnetic materials, low-energy
excitations, structural transitions

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**Neutron Powder
Diffractometer •
HB - 2A**

Structural studies, magnetic
structures, texture and phase
analysis

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**US/Japan WAND •
HB - 2C**

Diffuse-scattering studies of
single crystals and time-resolved
phase transitions

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**Future Development •
HB - 2D**

**Neutron Residual Stress Mapping
Facility • HB-2B**

Strain and phase mapping in
engineering materials

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**Triple-Axis
Spectrometer •
HB - 3**

Medium- and high-resolution
inelastic scattering at
thermal energies

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**Four-Circle
Diffractometer •
HB-3A**

Small unit-cell crystal
structural studies,
particularly H-bonding

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**Future
Development •
CG - 4A**

**Future
Development •
CG - 4B**

**US/Japan Cold
Neutron
Triple-Axis
Spectrometer •
CG-4C (2010*)**

High-resolution inelastic
scattering at cold
neutron energies

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**Image-Plate
Single-Crystal
Diffractometer
(IMAGINE) •
CG-4D (2010*)**

Chemical, organic,
metallo-organic, protein
single crystals

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**Cold Neutron
Source**

**Development
Beam Line • CG-1**

Imaging, optics, SERGIS,
sample alignment

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**General-Purpose SANS •
CG-2**

Polymer blends, flux lattices in high-Tc
materials, soft materials processing
and structure

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Bio-SANS • CG-3

Proteins and complexes,
pharmaceuticals,
biomaterials

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* Scheduled commissioning date.

LEGEND

- Installed, commissioning, or operating
- In design or construction
- Under consideration